

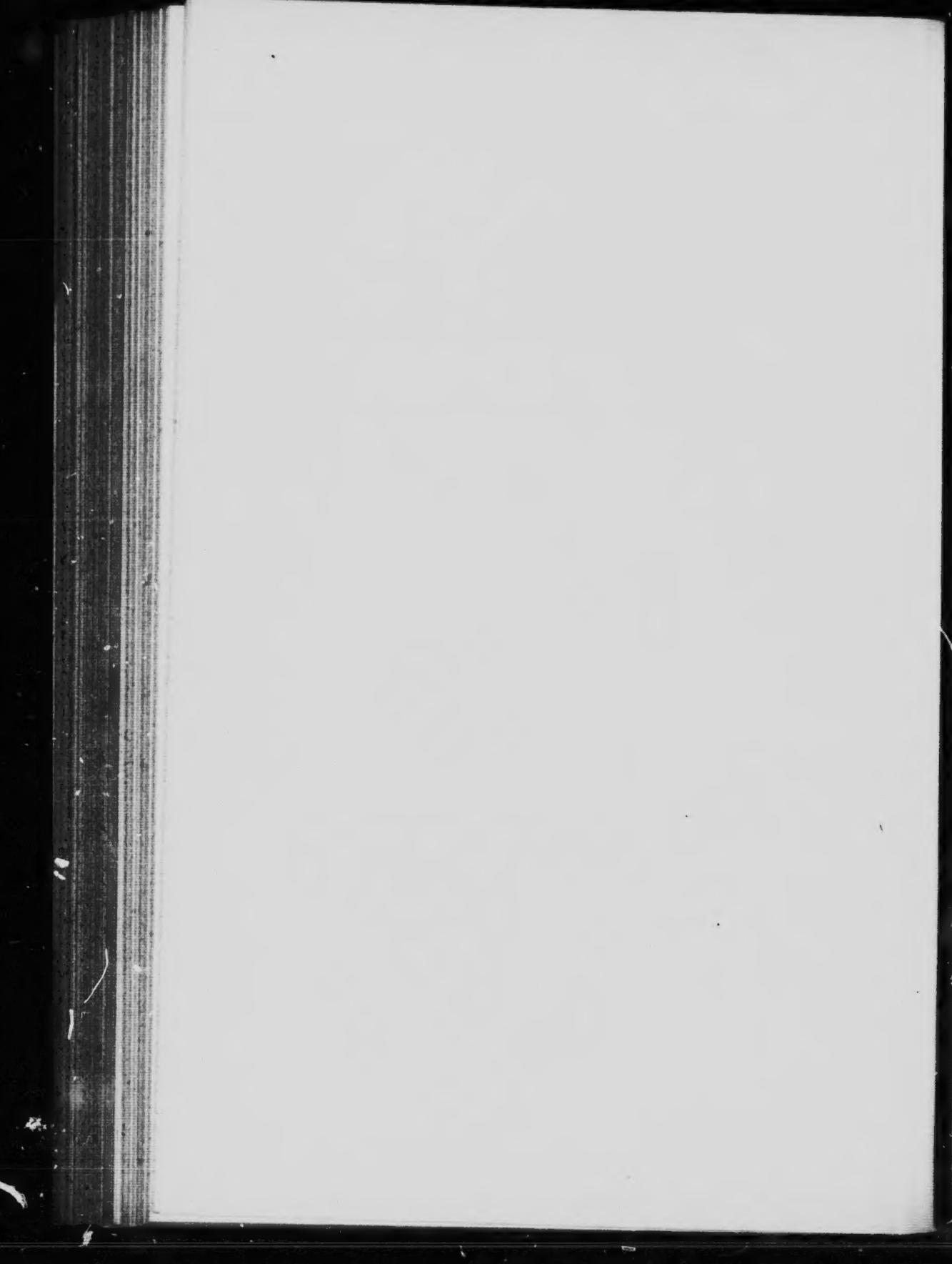
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LABORATORY
OF THE
INLAND REVENUE DEPARTMENT
OTTAWA, CANADA

BULLETIN No. 239

CIDER AND SWEET CIDER.

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BULLETIN No. 239

CIDER AND SWEET CIDER

W.M. HIMSWORTH, Esq.,
Ass't Deputy Minister of Inland Revenue.

OTTAWA, May 14, 1912

SIR.—I beg to report upon sixty-nine (69) samples of beverages sold as Cider or as Sweet Cider.

These terms are defined by Order in Council taking effect from March 13, 1911.

Cider is defined as follows :—

4. Cider, Hard Cider, is the product made by the normal alcoholic fermentation of apple juice, and the usual cellar treatment, and contains not more than seven (7) per cent by volume of alcohol, and in one hundred (100) cubic centimetres (20° C.) of the cider, not less than two (2) grammes nor more than twelve (12) grammes of solids, not more than eight (8) grammes of sugars, in terms of reducing sugars, and not less than twenty (20) centigrammes nor more than forty (40) centigrammes of cider ash.

Of thirty-three samples sold as Cider, twenty-seven samples meet the requirements of legal definition, and must be recognized as genuine, under the Act. Six samples which fail to meet the standards named, appear to have had water added to the apple juice. This is indicated by the small amount of mineral matter (ash) present. Six samples contain preservatives.

Apple Juice or Sweet Cider is defined as follows :—

2. Apple Juice, Apple Must, Sweet Cider, is the fresh fruit juice obtained from apple, the fruit of *Pyrus malus*, has a specific gravity (20° C.) not less than 1·0415 nor greater than 1·0690; and contains in one hundred (100) cubic centimetres (20° C.) not less than six (6) grammes, and not more than twenty (20) grammes of total sugars, in terms of reducing sugars, not less than twenty-four (24) centigrammes nor more than sixty (60) centigrammes of apple ash, which contains not less than fifty (50) per cent of potassium carbonate.

Out of thirty six samples sold as Cider, only eight are found to meet the requirements of the legal definition. It may be urged, in some cases, that the definition quoted

does not apply since the articles are labelled with modified names as "Champagne Cider", "Raspberry Cider", &c.; but so long as the word cider appears upon the label, and the beverage is supplied to our inspectors on a demand for cider, it seems proper to judge the article as cider.

In connection with Compound (hyphenated) names, it is important to note that these names must not misrepresent the article. Where one of the components is itself a legal name for a specific article such as Cider, Wine, Coffee, &c., it is evident that the compound name can only apply properly to an article of which the specific constituent in question is the essential or basic part. Thus Coca-Wine, implies the presence of wine; Champagne Cider, implies the presence of Cider; Decaffeinated Coffee implies the presence of Coffee, &c.

Our beverage standards provide for the use of the terms Sparkling Cider; Champagne Cider; but define this article as "*Cider*, impregnated with carbonic acid, &c." A solution of sugar and flavouring extracts is not cider; and the impregnating of such a solution with gas, does not constitute it a sparkling cider.

Imitations of cider, if labelled so as not to deceive, are legitimate articles, provided they contain nothing injurious to health.

There are certain beverages, such as Ginger Ale, Ginger Beer, Sassafras Beer, Root Beer, &c., which have been long in use, and are well understood to be non-alcoholic, although involving the terms ale and beer, which properly apply to alcoholic beverages. In the case of these articles, it may be pleaded that long usage and public acceptance justifies the name; and it is possible that the plea may hold good. It is not a part of the duty of this Department to make language. This must be decided by popular usage. But it is our duty to see that language is employed in such way as to guide the purchaser, and not to deceive him. Final ruling in cases of this kind, must be based upon the careful study of the particular matter in hand. So far as I know, nothing else than the juice of apples (fermented or unfermented) is entitled to the term cider used either simply or in combination. Such a name as "Raspberry Cider" means nothing, unless it implies an apple juice flavoured with raspberry.

Such a name as "Boiled Cider" or "Concentrated Cider" or "Condensed Cider," if applied to an article made from cider by boiling, would appear to be perfectly proper, as correctly describing the material sold. If applied to an artificial solution, in imitation of a cider concentrate, it would, of course, be misleading and fraudulent.

There need, I venture to think, be no difficulty in so naming any modification of apple juice as to correctly inform the purchaser regarding what is supplied to him. Apple juice, pure and simple, is not cider, any more than grape juice is wine. Fermentation is essential to the production of cider. The name *Sweet Cider* is recognized, by wide usage, as a correct name for apple juice.

If it be desired to remove the alcohol from fermented apple juice, the resultant beverage is properly described as dealcoholized cider, or non-alcoholic cider, or by some other plain and intelligible name. If it be desired to keep the alcohol in a cider below a fixed percentage and this be accomplished by adding water, or sugar and water, to the article, this can correctly be described as watered cider, or diluted cider. But it must not be sold as cider.

It must be clearly understood that the word adulterated in this bulletin, is used conformably to Section 3, g, of the Adulteration Act, which states that "food shall be deemed to be adulterated if its strength or purity falls below the standard, &c."

This is no suggestion of the addition of anything harmful to health.

Since this is a first inspection under legal definition, it is open to question whether the penalties prescribed by the Act need be enforced. It may be reasonable to regard this inspection and report rather as a means of bringing these recently enacted standards to the notice of the trade, and the public.

The last inspection of cider was made in July and August, 1908; and was reported as Bulletin No. 169 in December of that year.

I would respectfully recommend publication of the present report as Bulletin No. 239.

I have the honour to be, sir, your obedient servant,

A. MCGILL,
Chief Analyst.

BULLETIN No. 239—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manu- facturer or Furnisher as given by the Vendor.		Inspector's Re- port. (Is not an expres- sion of opin- ion).
				Quantity.	Cents.	Manufacturer.	Furnisher.	

DISTRICT OF NOVA SCOTIA—

1912.								
Feb. 19	Sweet Cider.	47026	Wentzels, Ltd., Halifax, N.S.	3 bots.	25	Annapolis Valley Cider Co., Bridgetown, N.S.	Mfrs.....	Sold as Apple Cider.
" 23	"	47028	Annapolis Valley Cider Co., Bridgetown, N.S.	3 "	Nil.	Vendors.....		"
Mar. 6	"	47030	Jas. Rowe, Halifax, N.S.	3 "	Nil.	Cleveland Cider Co., Ohio, U.S.	Mfrs.....	"

DISTRICT OF PRINCE EDWARD ISLAND—

Feb. 14	Sweet Cider.	46171	R. F. Maddigan & Co., Charlottetown P.E.I.	3 bots.	30	Annapolis Valley Cider Co., Ltd.	.....
" 16	"	46173	J. Chung, Summerside, P.E.I.	3 "	30	.....	N. Rathenbury Ltd., Charlottetown P.E.I.	
" 16	Orange Cordial.	46174	J. M. Noonan, Summerside, P.E.I.	3 "	30	G. E. Barbour & Co., Ltd., St. John, N.B.	.....

DISTRICT OF NEW BRUNSWICK—

Feb. 6	Sweet Cider.	45611	W. A. Simonds, St. John, N.B.	3 bots.	60	Annapolis Valley Cider Co., Ltd., Bridgetown, N.S.	Bottled Cider.
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DISTRICT OF QUEBEC—

Feb. 6	Sweet Cider.	37368	Arthur Rinfret, 414 Rue St. Joseph, Quebec.	3 "	40	F. A. Fleuet, Quebec.	Mfr.....	
" 7	"	37370	Arthur Drolet, 414 Rue St. Valier, Quebec.	3 "	18	Chas. Bedard, Quebec.	"	
" 12	"	37372	Cantin & Frère, 271 Rue St. Joseph, Quebec.	3 "	18	Eliz. Fortier & Co., Quebec.	"	
" 13	"	37400	P. Renaud, 537 Rue St. Valier, Quebec	3 "	25	F. A. Fleuet & Cie, Quebec.	"	

DISTRICT OF ST. HYACINTHE—

Mar. 12	Sweet Cider.	39048	Pierre Paul, Sorel	1 bot.	15	Dme. X. Berard, Sorel.	
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SWEET CIDER.

RESULTS OF ANALYSIS.

Sp. Gr. of Cider at 15°5°C.	Sp. Gr. of Dis- tillate.	Sp. Gr. of Res- idue.	Alcohol by Vol. per cent.	Grammes per 100cc.							Remarks and Opinion of the Chief Analyst.
				Total Solids.	Invert Sugar.	Sucrose.	Total Sugar.	Ash.	Undeter- mined Solids	Alkalinity of Ash as K ₂ CO ₃	

R. J. WAUGH, INSPECTOR.

1.0373	0.9994	1.0383	0.40	9.96	6.87	2.41	9.28	0.21	0.47	0.10	None.	47026 Density and ash nearly up to standard. Doubtful.
1.0312	0.9993	1.0316	0.46	8.20	0.84	5.75	6.59	0.11	1.51	0.04	"	47028 Density and ash too low. Adulterated.
1.0386	0.9992	1.0388	0.53	9.44	3.72	4.54	8.26	0.04	1.14	0.02	"	47030 Ash too low. Watered. Adulterated.

WM. A. WEEKS, INSPECTOR.

1.0213	0.9979	1.0238	1.42	11.17	8.20	0.81	9.01	0.08	2.08	0.05	None.	46171 Density and ash low. Adulterated.
1.0275	0.9983	1.0285	1.13	7.28	5.64	None	5.64	0.15	1.50	0.10	"	46173 Density and ash low. Adulterated.
1.0546	0.9979	1.0666	1.42	14.73	10.96	1.80	12.76	0.05	1.92	0.01	"	46174 Not sold as Cider.

J. C. FERGUSON, INSPECTOR.

1.0300	0.9991	1.0310	0.60	7.86	5.48	1.56	7.04	0.09	0.73	0.04	None.	45611 Density and ash low. Adulterated.
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F. X. W. E. BELAND, INSPECTOR.

1.0273	0.9998	1.0282	0.13	7.50	1.40	5.40	6.80	0.16	0.54	0.005	None.	37368 Density and ash low. Adulterated.
1.0225	0.9995	1.0230	0.33	6.06	4.69	1.28	5.97	0.08	None.	0.02	"	37370 "
1.0320	1.0000	1.0320	None.	8.87	0.96	7.70	8.65	0.12	0.10	0.01	"	37372 "
1.0362	0.9998	1.0372	0.11	9.68	1.12	7.39	8.51	0.08	1.10	0.01	"	37400 "

J. C. ROULEAU, INSPECTOR.

1.0193	0.9996	1.0197	0.33	5.28	0.60	3.40	4.00	0.04	1.24	0.02	None.	39048 Density and ash low, adulterated.
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Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.	Name and Address of the Manufacturer or Furnisher, as given by the Vendor.		Inspector's Report. (Is not an expression of opinion.)
					Quantity.	Cents.	

DISTRICT OF MONTREAL—

1912.							
Feb. 24	Sweet Cider.	40837	Robert Millar, 168 St. Maurice St., Montreal.	3 bots.	30	.....	Bottled by Vendor. Labelled Royal Windsor Champagne Cider.
Mar. 8	"	40839	Harris Co., 158 De montigny St., Montreal.	3 "	15	.....	Labelled Christin's Champagne Cider
" 8	"	40840	S. Dionne, 140 Dorchester St. E., Montreal.	3 "	25	.....	Labelled Sweet Apple Cider

DISTRICT OF OTTAWA—

Feb. 20	Sweet Cider.	50131	Calderone & Bossio, Ottawa.	3 bots.	15	S. Patterson & Co., Toronto.	H.S. Anstiss Apple Cider.. & Co., Ottawa.
" 20	"	50132	H. N. Anstiss, Ottawa.	3 "	15	"	Mrs. " ..

DISTRICT OF KINGSTON—

Feb. 5.	Sweet cider.	49531	Geo. Thompson, 1 qt., Kingston.	15	Belleville Cider and Vinegar Co.	.....	.....
" 5	" ..	49532	E. Beaupre, King-1 .. ston.	15	S. Allen, Norwich.	.....	.....
" 8	" ..	49534	P. S. White, King-1 .. ston.	10	"	.....	.....

DISTRICT OF TORONTO—

Feb. 20	Sweet cider.	49363	Taylor & Pringle Co., Ltd., Owen Sound.	3 bots.	15	Vendors.....	.....	.....
Mar. 4	" ..	49364	S. Patterson & Co., 318 Berkley st., Toronto.	3 "	25	" ..	.....	Genuine Apple Cider.
" 4	" ..	49365	T. B. Franklin, 729 3 Queen st. East, Toronto.	3 "	10	.....	.....	The Whitby Fruit and Vinegar Co., Whitby.
" 4	" ..	49366	Mrs. R. Craig, 170 3 Christie st., Toronto.	3 "	20	.....	.....	Kemp Beverage Co., Champagne Cider, Toronto.

SWEET CIDER.

RESULTS OF ANALYSIS.

Sp.Gr. of Cider at 15.5°C.	Sp.Gr. of Distill- late.	Sp.Gr. of Residue.	Alcohol by Vol.	Grammes per 100 CC.								Remarks, and Opinion of the Chief Analyst.
				Total Solids.	Invert Sugar.	Sucrose.	Total Sugar.	Ash.	Undeter- mined Solids.	Alkalinity of Ash as K_2CO_3 .	Preserva- tives.	

J. J. COSTIGAN, INSPECTOR.

1.0183	0.9996	1.0184	0.26	4.64	1.34	3.18	4.52	0.04	0.08	0.02	None	40837	Density and ash low. Adulterated.
1.0288	0.9996	1.0293	0.26	7.38	1.29	5.50	6.79	0.32	0.27	None	"	40839	Density and Alkalinity of ash too low. Adulterated.
1.0274	0.9982	1.0276	1.19	7.22	6.01	0.22	6.23	0.11	0.89	0.04	"	40840	Density and ash low. Adulterated.

J. A. RICKY, INSPECTOR.

1.0543	0.9975	1.0575	1.73	14.64	10.40	1.75	12.15	0.34	2.15	0.24	Benzoic acid.	50131	Genuine.
1.0628	1.000	1.0639	None	13.53	12.49	None	12.49	0.30	0.74	0.24	"	50132	"

JAS. HOGAN, INSPECTOR.

1.0155	0.9994	1.0159	0.40	9.52	5.21	1.99	7.20	0.24	2.08	0.18	Salicylic acid.	49531	Density v. Adulterated.
1.0346	0.9981	1.0370	1.26	9.16	7.24	0.23	7.47	0.16	1.53	0.12	Benzoic acid.	49532	Density at. v. low. Adulterated.
1.0463	0.9992	1.0467	0.53	11.45	8.70	None	8.70	0.29	2.46	0.25	None	49564	Genuine.

H. J. DAGER, INSPECTOR.

1.0532	0.9982	1.0547	1.19	15.37	9.78	1.05	10.83	0.30	2.54	0.22	Benzoic acid.	49363	Genuine.
1.0596	0.9994	1.0605	0.40	15.27	11.47	1.43	12.90	0.32	2.05	0.24	"	49364	"
1.0736	0.9993	1.0744	0.13	18.81	12.95	2.70	15.65	0.39	2.77	0.25	"	49365	"
1.0373	0.9995	1.0376	0.33	10.82	5.48	3.07	8.55	0.04	2.23	0.02	None	49366	Density and ash low. Adulterated.

BULLETIN No. 239—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of the Manufacturer or Furnisher as given by the Vendor.		Inspector's Report. (Is not an expression of Opinion).
				Quantity.	Cents.	Manufacturer.	Furnisher.	

DISTRICT OF MANITOBA—

1912.								
Feb. 19.	Champagne.	48616	Carson's Confectionery, Main st. North, Winnipeg.	3 bts.	75	The Blackwoods Ltd., Winnipeg.	Mfrs.	Orange Pure Fruit Champagne.
" 19.	Sweet cider.	48617	Prairie Restaurant, Main st. North, Winnipeg.	3 " .	60	E. L. Drewry, Winnipeg.	" .	Orange Cider.
" 19.	" .	48619	The White Star Mfg. Co., Winnipeg.	3 "	35	Vendors. ....	....	" .
" 19.	" .	48620	" .	3 "	25	" .	....	Raspberry Cider.

DISTRICT OF CALGARY—

Mar. 9.	Sweet cider.	44133	Hallier & Aldridge, Edmonton.	3 bts.	60	Brown & Co., Edmonton.
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DISTRICT OF NELSON—

Feb. 26.	Sweet cider.	49635	J. A. McDonald, Nelson.	3 bts.	30	Spokane Cider Works, Spokane, U.S.
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DISTRICT OF VANCOUVER—

Feb. 19.	Boiled cider.	38305	New Westminster Co-op. Association, New Westminster.	3 bts.	90	W. K. Houston, Victoria, B.C.	Pure Boiled Cider.
" 19.	Sweet cider.	38306	Gold Seal Liquor Co., Ltd., Vancouver, B.C.	3 " .	45	Am. Fruit Products Co., Rochester, N.Y.	.....	Duffy's refined pure fruit champagne cider. Bottled by Vendors.
" 19.	" .	38307	F. Filion, Carroll st., Vancouver, B.C.	3 " .	75	Pacific Mfg. Co., Victoria, B.C.	.....	Champagne Cider.
" 19.	" .	38308	Hudson's Bay Co., Vancouver, B.C.	3 " .	75	.....	Cross & Co., Vancouver	Allen's pure Apple Cider

DISTRICT OF VICTORIA—

Feb. 28.	Boiled cider.	49116	The West End Grocery, Victoria, B.C.	3 bts.	100	.....	W. K. Houston & Co., Victoria, B.C.	Pure Boiled Cider.
Mar. 1.	Sweet cider.	49118	Copas & Young, Victoria, B.C.	3 " .	66	.....	C. Morely, Victoria, B.C.	Celebrated Oregon cider.

SWEET CIDER.

RESULTS OF ANALYSIS.

Sp. Gr. of Cider at 15.6 C.	Sp. Gr. of Distillate.	Sp. Gr. of Residue.	Alcohol by Vol.	Grammes per 100 CC.								Remarks and Opinion of the Chief Analyst.
				Total Solids.	Invert Sugar.	Sucrose.	Total Sugar.	Ash.	Undeter- mined Solids	Alkalinity of Ash as R ₂ CO ₃ .	Preservatives	
A. C. LARIVIERE, INSPECTOR.												
1·0307	0·9992	1·0317	0·53	7·82	1·40	5·25	6·66	0·12	1·17	0·09	Salicylic acid.	48616 Density and ash low. Not sold as cider.
1·0234	0·9997	1·0240	0·20	11·05	3·40	5·51	8·91	0·22	1·92	0·15	"	48617 Density and ash low. Adulterated.
1·0422	0·9978	1·0444	1·49	11·13	0·32	8·90	9·22	0·12	1·79	0·10	Benzoinic acid	48619 Ash low. Adulterated.
1·0487	0·9997	1·0496	0·20	13·17	0·26	10·63	10·89	0·14	2·14	0·09	"	48620 "
R. W. FLETCHER, INSPECTOR.												
1·0106	0·9975	1·0127	1·73	3·20	2·34	None.	2·34	0·16	0·70	0·09	Salicylic acid	44133 Density and ash low. Adulterated.
THOS. PARKER, INSPECTOR.												
1·0445	0·9975	1·0478	1·73	12·07	7·75	1·75	9·50	0·23	2·34	0·18	Benzoinic acid	49635 Genuine.
J. F. POWER, INSPECTOR.												
1·2499	0·9987	1·2516	0·86	61·06	44·62	1·75	46·37	1·50	13·81	1·13	Benzoinic acid	38306 Concentrated with addition of sugar.
1·0003	0·9898	1·0112	0·13	2·66	0·62	0·57	1·19	0·26	1·21	0·22	None	38306 Density and sugar too low. Adulterated.
1·0298	0·9972	1·0331	1·96	8·28	7·08	None.	7·08	0·20	1·00	0·13	"	38307 Density and ash low. Adulterated.
1·0341	0·9982	1·0360	1·19	8·64	6·92	"	6·92	0·20	1·52	0·19	Salicylic acid	38308 Density and ash low. Adulterated.
D. O'SULLIVAN, INSPECTOR.												
1·2306	0·9998	1·2326	0·79	60·00	47·00	3·52	50·52	1·40	9·08	1·19	Benzoinic acid.	49116 Concentrated with added sugar.
1·0640	0·9997	1·0642	0·20	13·63	8·67	2·22	10·89	0·27	2·47	0·24	"	49118 Genuine.

BULLETIN No. 239—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor	Cost.	Name and Address of Manufacturer or Furnisher as given by the Vendor.	Inspector's Report. (Is not an expression of opinion.)
				Quantity.	Cents.	Manufacturer. Furnisher.

DISTRICT OF NOVA SCOTIA—

1912.

Feb. 23 Hard Cider.	47027 P. N. Bishop, Kentville, N.S.	3 bots.	10 F. Drake, New Glasgow, N.S.	New Mfr.....	Sold as Apple Cider.
Mch. 5 "	47029 F. Drake, New Glasgow, N.S.	3 "	Nil S. Allen, Norwich, Ont.	Nor. "	"

DISTRICT OF PRINCE EDWARD ISLAND—

Feb. 14 Hard Cider.	46172 J. P. Duffy, Charlottetown, P.E.I.	3 bots.	30	S. Allen, Norwich, Ont.	.....
" 21 " ..	46175 M. A. Paquet, Souris, P.E.I.	3 "	25	.....	Sussex Mineral Spring Co., Sussex, N.B.

DISTRICT OF NEW BRUNSWICK—

Feb. 15 Hard Cider.	45612 Harry G. McBeath, St. John, N.B.	3 bots.	15	.....	Dearborn & Bulk Cider Co., St. John, N.B.
Mch. 5 "	45613 Wm. P. Grannan, Fredericton, N.B.	3 "	15	.....	H. Crotty, Allen's refined Frederic Apple Cider, ton, N.B. Norwich, Ont.
" 12 "	45615 King, Asbell & Co., Sussex, N.B.	3 "	15	.....	Willet Fruit Co., St. John, N.B.

DISTRICT OF QUEBEC—

Feb. 7 Hard Cider.	37369 Arthur Drolet, Rue St. Valier, Quebec.	714 3 bots.	60	Belyl Fruit and Langlois & Vinegar Co., Paradis, Bristol.
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DISTRICT OF ST. HYACINTHE—

Feb. 20 Hard Cider.	39046 A. C. Poutre, St. Jean.	3 bots.	30	Unknown.....	Unknown...
Mch. 26 "	39049 Thos. Hebert, St. Hyacinthe.	1 "	10	Wilson, Lytle & Badgerow, Toronto.	.....

HARD CIDER.

RESULTS OF ANALYSIS.

Sp. Gr. of Cider at 15° C.	Sp. Gr. of Dis- tillate.	Sp. Gr. of Resi- due.	Alcohol by Vol.	Grammes per 100 cc.								Remarks and Opinion of the Chief Analyst.
				Total Solids.	Invert Sugar.	Sucrose.	Total Sugar.	Ash.	Undeter- mined Solids.	Alkalinity of Ash as K ₂ O P.	Pr.- vatives.	

R. J. WAUGH, INSPECTOR.

1.0205	0.9957	1.0218	3.07	6.26	4.95	None.	4.95	0.20	1.11	0.11	None.	47027	Genuine.
1.0142	0.9950	1.0198	3.55	4.97	2.66	"	2.66	0.22	2.03	0.12	"	47029	"

WM. A. WEEKS, INSPECTOR.

1.0260	0.9964	1.0295	2.58	7.74	6.60	None.	6.60	0.20	0.94	0.10	None.	46172	Genuine.
1.0291	0.9971	1.0327	2.04	8.39	7.08	"	7.08	0.14	1.17	0.08	"	46175	Ash too low. Apple juice watered. Ad- ulterated.

J. C. FERGUSON, INSPECTOR.

1.0360	0.9957	1.0405	3.07	9.79	7.24	0.05	7.29	0.36	2.14	0.32	Ben- zoic Acid.	45612	Genuine.
1.0267	0.9966	1.0305	2.43	7.47	6.23	None.	6.23	0.24	1.00	0.10	"	45613	"
1.0067	0.9919	1.0141	5.86	3.14	0.95	"	0.95	0.30	1.89	0.21	Salicylic Acid.	45615	"

F. X. W. E. BELAND, INSPECTOR.

1.0216	0.9927	1.0281	5.24	7.22	4.84	None.	4.84	0.24	2.14	0.20	None.	37369	Genuine.
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J. C. ROULEAU, INSPECTOR.

1.0059	0.9912	1.0148	6.48	3.82	1.64	0.20	1.84	0.30	1.38	0.23	None.	39046	Genuine.
1.0033	0.9925	1.0103	5.39	2.22	0.74	None.	0.74	0.10	1.38	0.07	"	39049	Ash too low. Apple juice watered. Ad- ulterated.

BULLETIN No. 239—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Manufacturer or Furnisher as given by the Vendor.		Inspector's Report. (Is not an expression of opinion.)
				Quantity.	Cents.	Manufacturer.	Furnisher.	

DISTRICT OF MONTREAL—

1912.								
Feb. 24	Hard Cider.	40836	Robert Millar, 168 St. Maurice St., Montreal.	3 bots.	30			Allen's Apple Cider. Bottled by Vendor.
Mch. 8	"	40838	J. T. Mallette, Ontario Street East, Montreal.	3 "	30			Labelled Millar's Celebrated Genuine Sparkling Apple Cider.

DISTRICT OF OTTAWA—

Feb. 20	Hard Cider.	50133	C. Stratton, Ottawa.	3 bots.	15	Allen, Norwich, Ont.	C. E. Plain, Ottawa.	Apple Cider..
" 20	"	50134	Bate & Co., Ottawa.	3 "	75	Ross Bros., Liverpool, Eng.	Chas. Parker, Ottawa.	Ross' Sparkling Devonshire Cyder..
" 21	"	50135	A. E. Rea & Co., Ltd., Ottawa.	3 "	75	S. Allen, Norwich, Ont.	C. E. Plain, Ottawa.	Apple Cider..

DISTRICT OF KINGSTON—

Feb. 7	Hardcider	49525	S. Fort, Port Hope	1 qt..	10	S. Allen, Norwich, Ont.		
" 7	"	49535	W. D. Stephens, Port Hope.	1 "	10	"		

DISTRICT OF TORONTO—

Feb. 8	Hardcider	49362	A. Ballantine & Bros., 171 John St., South Hamilton.	3 bots.	15	S. Allen, Norwich, Ont.		
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DISTRICT OF WINDSOR—

Feb. 12	Hardcider	47871	A. H. Gammon & Son, Sarnia.	3 bots.	8		S. Allen, Norwich.	
" 13	"	47874	W. H. Trecker, Sarnia.	3 "	5		"	
" 13	"	47875	Peter Clark, Sarnia.	3 "	8	Whitby Cider & Vinegar Co., Whitby, Ont.		

HARD CIDER.

RESULTS OF ANALYSIS.

Sp. gr. of cider at 15°5°C	Sp. gr. of Distill- ate.	Sp. gr. of Residue.	Alcohol by Vol- ume.	Grammes per 100cc.								Remarks and Opinion of the Chief Analyst.
				Total Solids.	Invert Sugar.	Sucrose.	Total Sugar.	Ash.	Undeter- mined Solids.	Alkalinity of Ash as R ₂ CO ₃ .	Preservatives.	
1·0271	0·9935	1·0338	4·63	8·30	7·45	None.	7·45	0·26	0·59	0·19	None.	40836 Genuine.
1·0072	0·9909	1·0159	6·63	3·92	1·34	1·24	2·58	0·2	1·13	0·18	"	40838 "

J. J. COSTIGAN, INSPECTOR.

1·0292	0·9952	1·0345	3·42	9·14	6·97	0·62	7·59	0·31	1·24	0·24	None.	50133 Genuine.
1·0211	0·9944	1·0272	3·98	6·73	5·43	None.	5·43	0·27	1·03	0·17	"	50134 "
1·0135	0·9941	1·0190	4·20	4·84	4·69	"	4·69	0·12	0·03	0·11	"	50135 Ash too low. Apple juice watered. Ad- ulterated.

J. A. RICKY, INSPECTOR.

1·0222	0·9954	1·0276	3·28	6·96	4·69	1·00	5·69	0·25	1·02	0·13	None.	49525 Genuine.
1·0263	0·9944	1·0321	3·98	8·02	5·91	0·20	6·11	0·28	1·63	0·19	"	49536 "

JAS. HOGAN, INSPECTOR.

1·0227	0·9954	1·0276	3·28	6·96	4·69	1·00	5·69	0·25	1·02	0·13	None.	49525 Genuine.
1·0263	0·9944	1·0321	3·98	8·02	5·91	0·20	6·11	0·28	1·63	0·19	"	49536 "

H. J. DAGER, INSPECTOR.

1·0140	0·9922	1·0217	5·63	5·04	2·76	0·38	3·14	0·28	1·62	0·26	None.	49362 Genuine.
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JNO. TALBOT, INSPECTOR.

1·0520	0·9957	1·0197	3·07	6·44	3·16	0·95	4·11	0·29	2·04	0·29	None.	47871 Genuine.
1·0010	0·9906	1·0105	6·94	2·68	0·52	0·12	0·64	0·32	1·70	0·26	"	47874 "
1·0199	0·9940	1·0253	5·00	6·15	3·51	2·50	5·01	0·30	0·84	0·24	Benz- oic acid.	47875 "

BULLETIN No. 239—

Date of Collection.	Nature of Sample.	No. of Sample.	Name and Address of Vendor.	Cost.		Name and Address of Man- ufacturer or Furnisher as given by the Vendor.		Inspector's Re- port. (Is not an express- ion of opin- ion.)
				Quantity.	Gems.	Manufacturer.	Furnisher.	

DISTRICT OF MANITOBA—

1012.								
Feb. 19	Hardcider	48618	The Blackwood Ltd., Winnipeg.	3 bots.	Nil.	Vendors.....	Apple cider...	

DISTRICT OF CALGARY—

Mar. 9	Hardcider	44131	Acme Co., Edmonton	3 bots.	60	Annapolis Valley Cyder Co., Ltd., Bridgetown, N.S.	.....
" 9	"	44132	A. C. Dempsey, Edmonton,	3 "	60	.....	A. C. McDonald Co., Edmonton.	
" 9	"	44134	Edmonton Wine Sprit, Co., Edmonton.	3 "	90	Paul Taintier, France.	.....
" 13	"	44135	Hudson Bay Co., Calgary.	3 "	75	Annapolis Valley Cyder Co., Ltd., Bridgetown, N.S.	.....

DISTRICT OF NELSON—

Feb. 13	Hardcider	48500	Hudsons Bay Co., Kamloops, B.C.	3 bots.	1.50	Bulmer & Co., Hereford, Eng.	.....
" 13	"	49611	Wilson Grocery Co., Kamloops, B.C.	3 "	75	Annapolis Valley Cyder Co., Ltd., Bridgetown, N.S.	.....
" 20	"	49622	Carlson & Nelson, Savona, B.C.	3 "	45	Cross & Co., Vancouver.	.....

DISTRICT OF VANCOUVER—

Feb. 19	Hardcider	38309	London Grocery Co., Ltd., Vancouver, B.C.	3 bots.	75	T. P. Griffin & Co., Liverpool, Eng.	The pure juice of Devonshire apples.
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DISTRICT OF VICTORIA—

Feb. 27	Hardcider	49115	Windsor Grocery Co., Victoria, B.C.	3 bots.	75	T. P. Griffin & Co., London, Eng.	Devonshire cider.
" 29	"	49117	D. A. Ross & Co., Victoria, B.C.	3 "	75	.....	Kelly Douglas Co., Ltd., Vancouver.	Ontario cider.
Mar. 6	"	49119	Harrison & McEwan, Victoria, B.C.	3 "	75	.....	W. O. Wallace, Victoria.	Champagne lace, Victoria.

HARD CIDER.

Sp.gr. of cider at 15.5°C.	Sp.gr. of Distill. ate.	Sp.gr. of Residue.	Alcohol by Vol. ume.	Grammes per 100cc.								No. of Sample.	Remarks and Opinion of the Chief Analyst.
				Total Solids.	Invert Sugar.	Sucrose.	Total Sugar.	Acid.	Undeter- mined Solids.	Alkalinity of Ash as K: CO ₃ .	Preservatives.		
A. C. LARIVIÈRE, INSPECTOR.													

1.0223	0.9925	1.0299	5.55	7.29	4.84	None.	1.84	0.26	2.19	0.20	None.	48618	Genuine.
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R. W. FLETCHER, INSPECTOR.

1.0246	0.9937	1.0313	4.49	7.67	6.97	None.	6.97	0.09	0.61	0.68	None.	44131	Ash too low. Apple juice watered. Ad- ulterated.
1.0278	0.9966	1.0312	2.43	7.72	6.65	"	6.65	0.21	0.86	0.11	"	44132	Genuine.
1.0178	0.9924	1.0256	5.47	6.31	4.69	"	4.69	0.22	1.40	0.12	"	44134	"
1.0287	0.9965	1.0324	2.51	8.01	6.61	"	6.71	0.12	1.09	0.09	"	44135	Ash too low. Apple juice watered. Ad- ulterated.

THOS. PARKER, INSPECTOR.

1.0155	0.9925	1.0229	5.39	5.78	3.73	0.05	3.78	0.24	1.76	0.18	None.	48500	Genuine.
1.0239	0.9963	1.0281	2.62	6.96	5.59	0.31	5.90	0.17	0.89	0.10	"	48511	Ash too low. Apple juice watered. Ad- ulterated.
1.0266	0.9951	1.0312	3.49	8.01	6.28	None.	6.28	0.21	1.52	0.15	Benzoic acid.	49622	Genuine.

J. F. POWER, INSPECTOR.

1.0168	0.9949	1.0228	4.27	5.68	3.94	None.	3.94	0.21	1.53	0.14	None.	38303	Genuine.
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D. O'SULLIVAN, INSPECTOR.

1.0145	0.9933	1.0212	4.78	5.22	4.00	None.	4.00	0.22	1.00	0.15	None.*	49115	Genuine.
1.0158	0.9905	1.0253	6.94	6.45	4.84	"	4.84	0.20	1.41	0.13	"	49117	"
1.0300	0.9918	1.0382	5.94	9.28	7.08	"	7.08	0.22	1.98	0.17	Benzoic acid.	49119	"